

Commonwealth of Kentucky
Division for Air Quality
EXECUTIVE SUMMARY

TITLE V/PSD (PROPOSED PERMIT) No. V-03-031 R2
GALLATIN STEEL CO.
WARSAW, KY
JULY 23, 2007
HOSSEIN RAKHSHAN, REVIEWER
AI/AFS#: 1449/021-077-00018
ACTION/LOG#: APE20070002

SOURCE DESCRIPTION:

The Gallatin Steel facility in Ghent, Kentucky recycles scrap steel to make new hot-rolled steel coils using a continuous Compact Strip Production or CSP process. Gallatin is ISO/TS 16949 certified. The manufacturing facility consists of a twin-shell DC electric arc furnace, a ladle metallurgy facility, a thin-slab continuous caster and a six-stand hot finishing mill. Gallatin Steel, located on the Ohio River in Ghent, KY, produces hot rolled sheet steel coil, hot rolled P&O coil and hot rolled slit coil in low carbon (C1010), medium carbon (C1015-C1035), high carbon (C1050-C1055) and HSLA chemistries (up to 80 ksi min yield) from gauges of 0.055" to .625" thick and 42" to 64" wide.

Gallatin Steel Company, an existing PSD/Title V major source, submitted a permit modification application to its existing V-03-031 R1 permit on May 9, 2007. The plant is a PSD/Title V source because criteria air pollutants potential emissions exceed the major source thresholds.

Gallatin Steel Company is proposing to modify and increase its production rates to a maximum of 275 tons per hour with this application. The facility proposes to add a Ladle Metallurgy Furnace (LMF) to replace the existing LMF. The new unit will be relocated to optimize the flow of product through the melt shop. Also, the capacity of the two EAF transformers will be upgraded to 90 Mega-Volt-Ampere (MVA) from the existing 75 MVA transformers. This application is considered a significant revision that is subject to the provisions of PSD regulation 401 KAR 51:017.

PUBLIC AND AFFECTED STATE REVIEW:

The affected states (Ohio and Indiana) will be notified of the issuance of the proposed permit via e-mail. On September 5, 2007, the public notice on availability of the draft permit and supporting material for comments by persons affected by the plant was published in The Gallatin County News in Warsaw, Kentucky. The public comment period expired 30 days from the date of publication. No comments were received during this period. Therefore, the Division has made a final determination to issue a proposed permit. A final permit will be issued after the U.S. EPA's 45-day review.